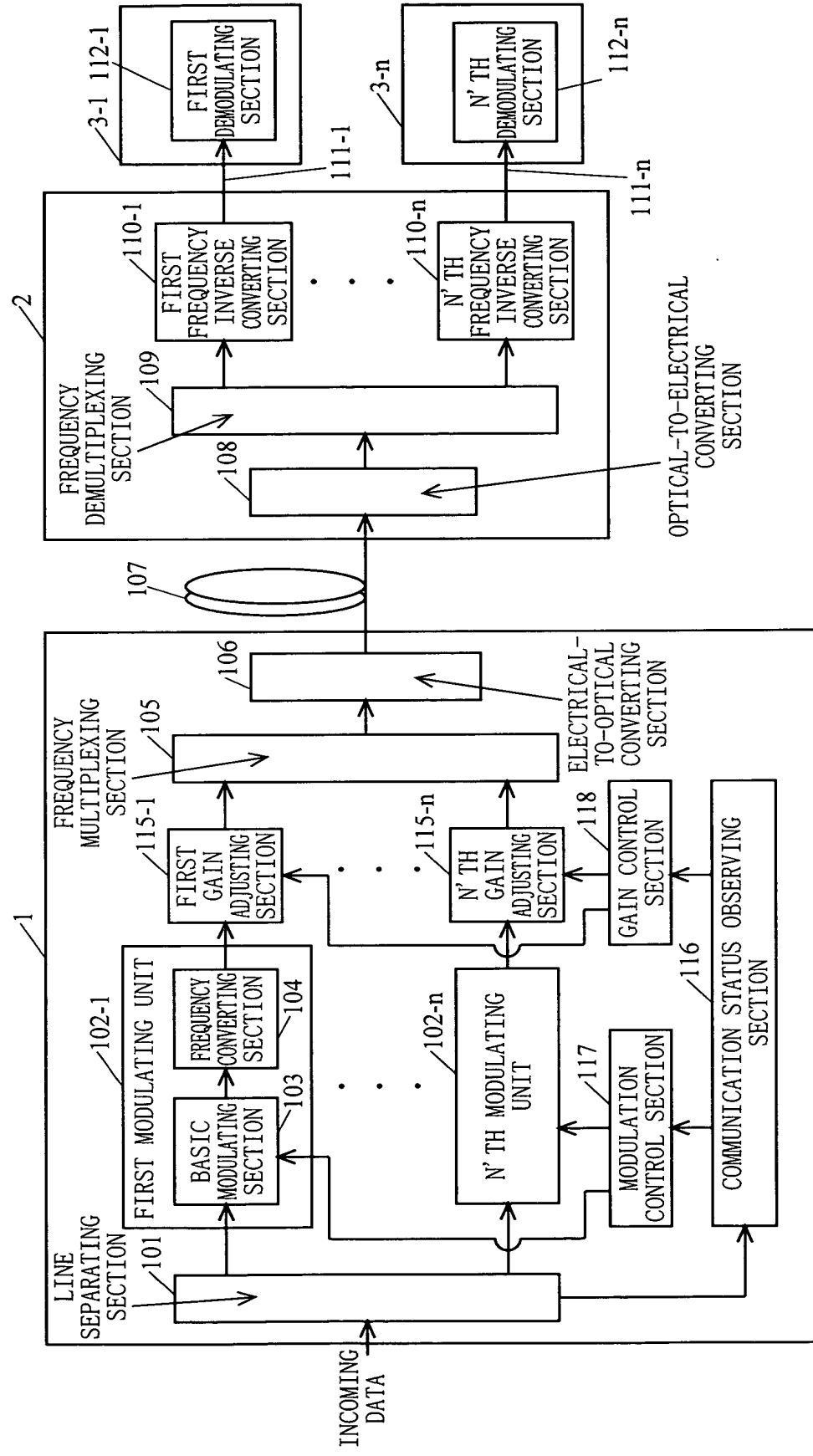
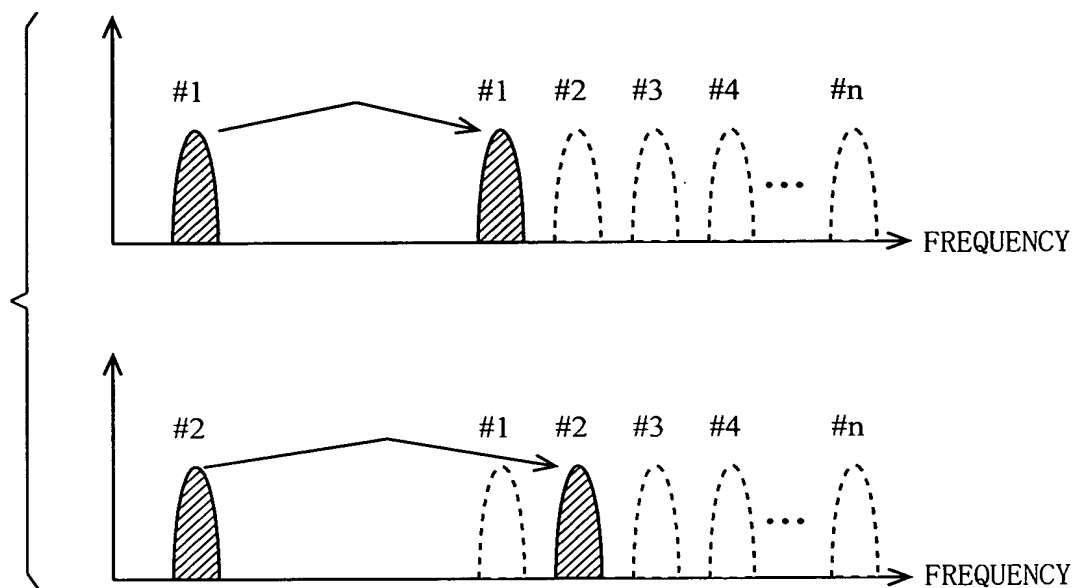


FIG. 1



F I G . 2 A



F I G . 2 B

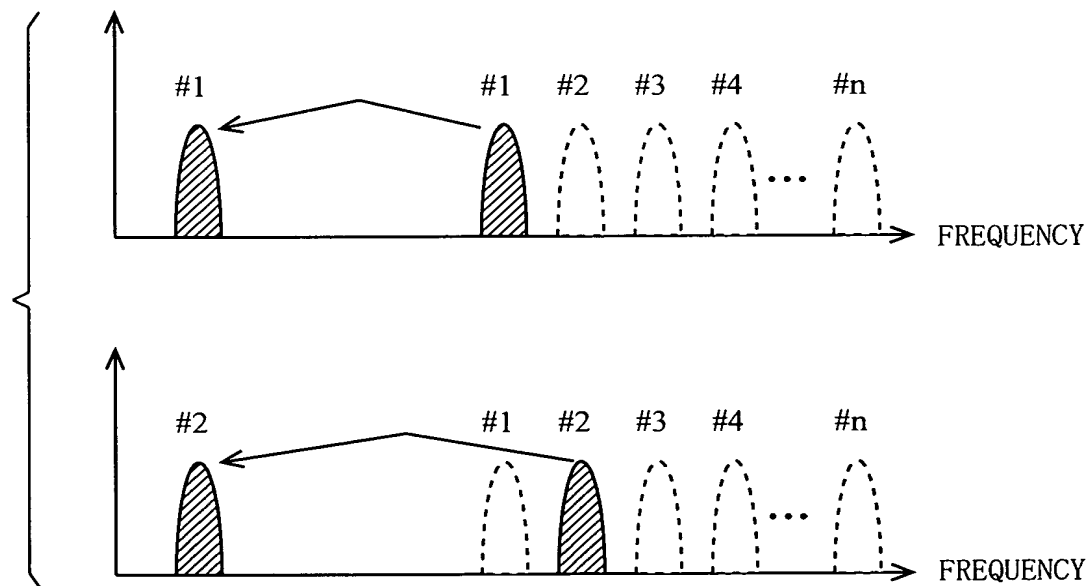
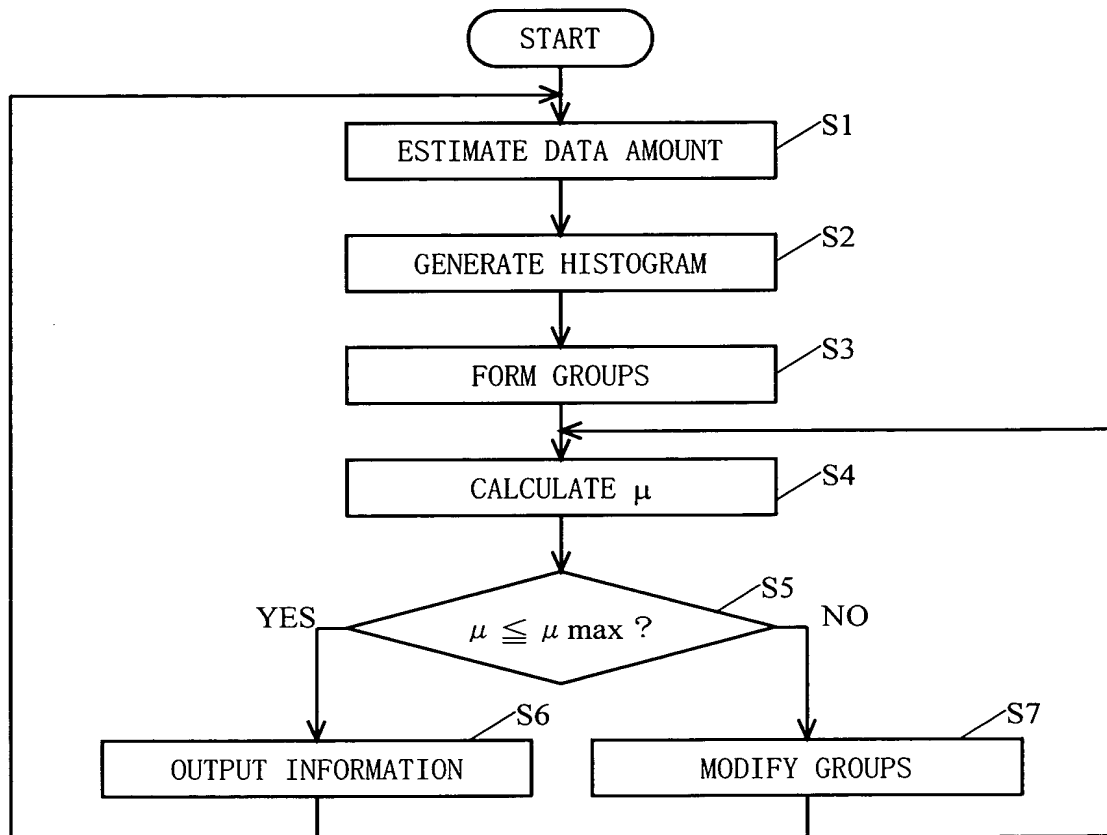
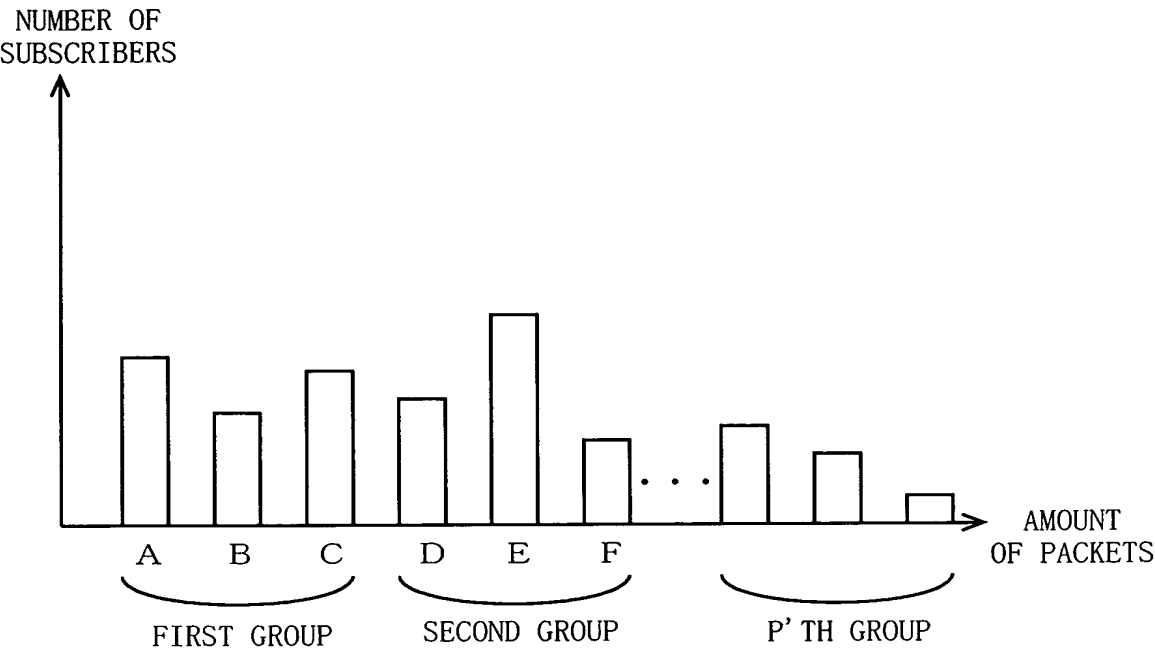


FIG. 3



F I G . 4



F I G . 5

| SUBSCRIBER NUMBER | GROUP | M (CONSTELLATION LEVEL) | SIGNAL LEVEL |
|-------------------|-------|-------------------------|--------------|
| 1                 | 2     | 1 6 Q A M               | L 2          |
| 2                 | 1     | 4 Q A M                 | L 1          |
| 3                 | 3     | 3 2 Q A M               | L 3          |
| ⋮                 | ⋮     | ⋮                       | ⋮            |
| n                 | 1     | 4 Q A M                 | L 1          |

FIG. 6

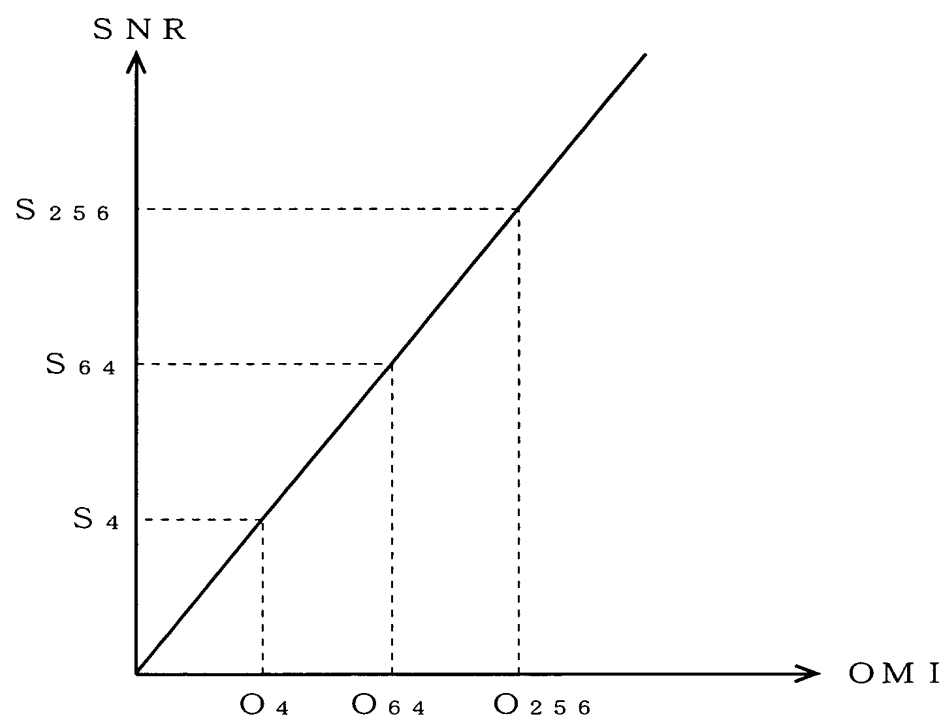


FIG. 7 A

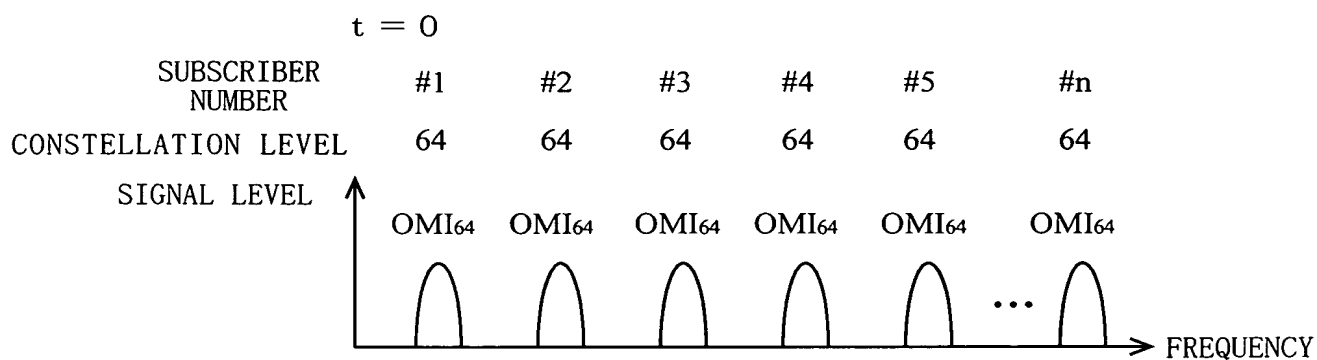


FIG. 7 B

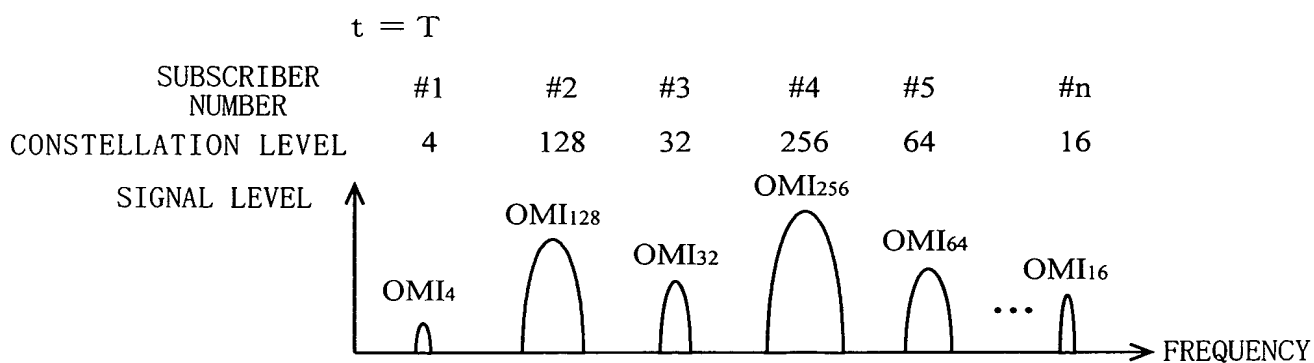


FIG. 7 C

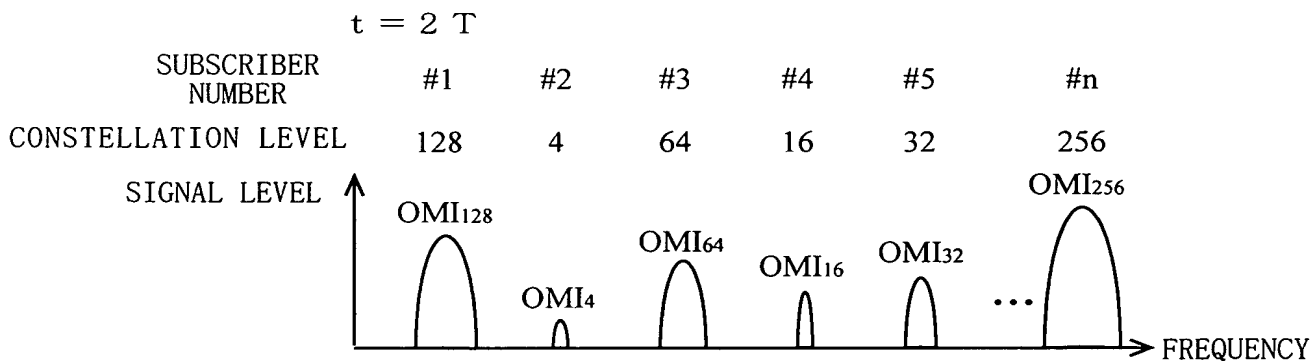
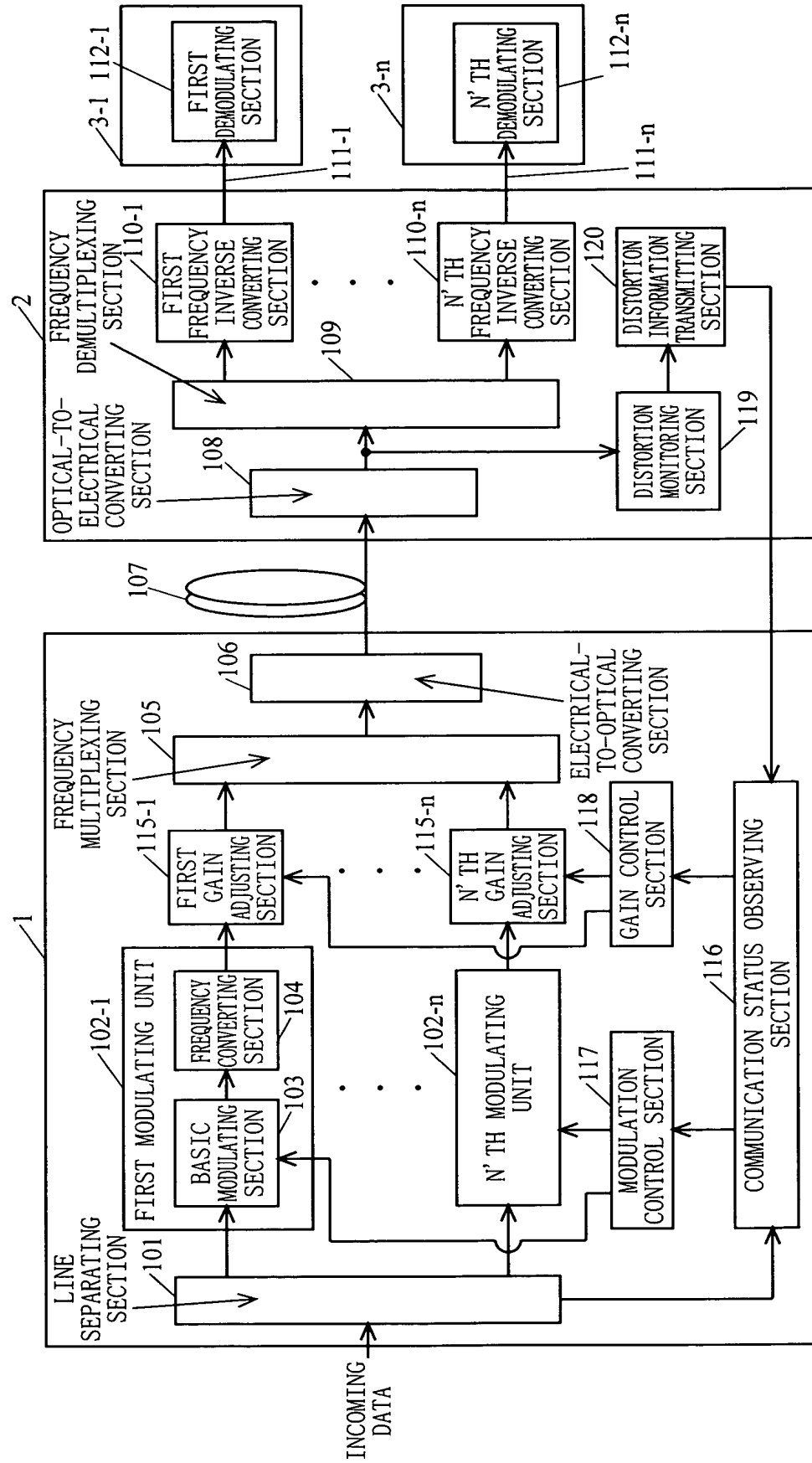
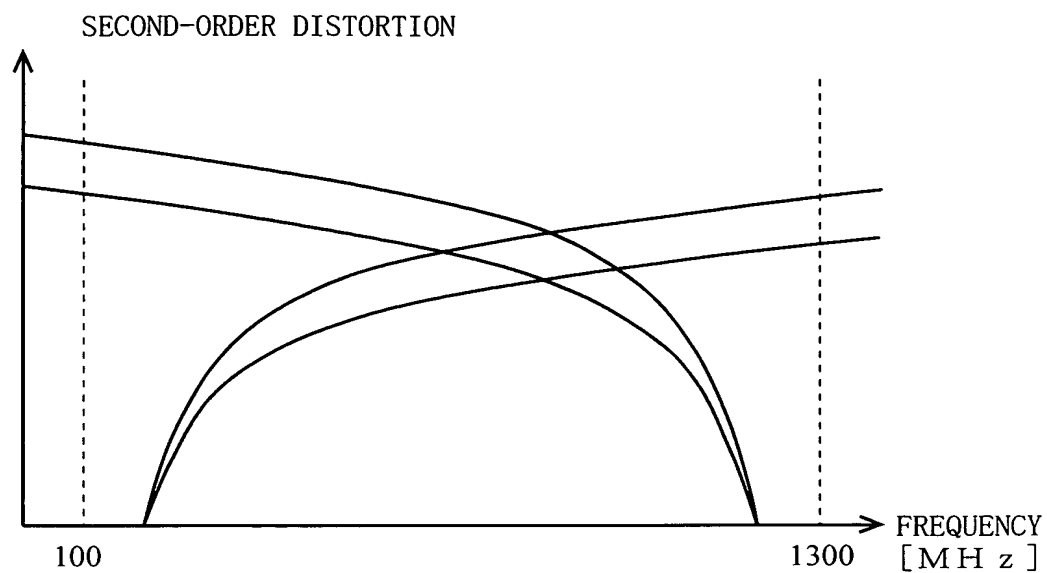


FIG. 8



F I G . 9 A



F I G . 9 B

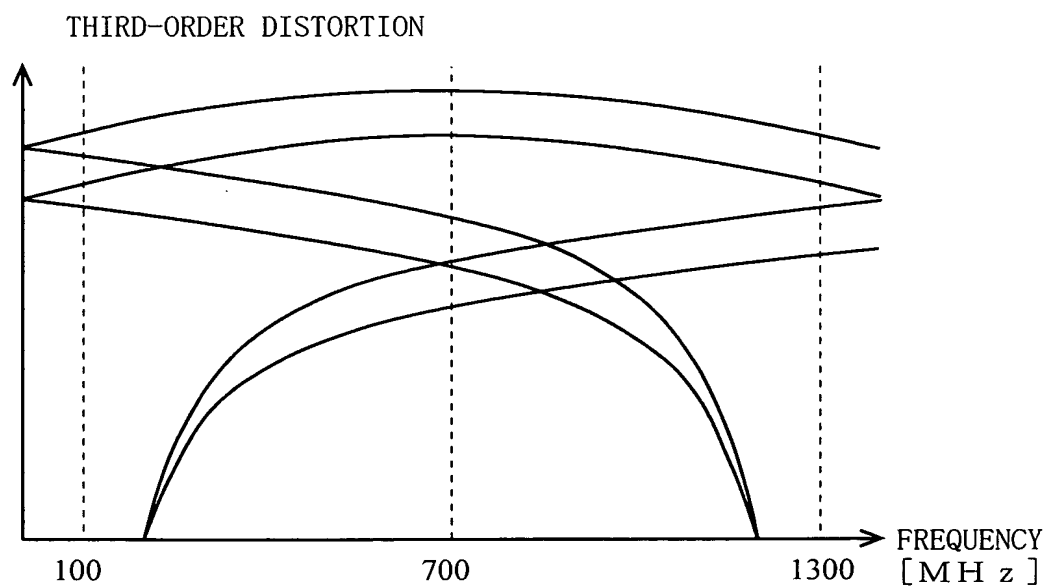




FIG. 10

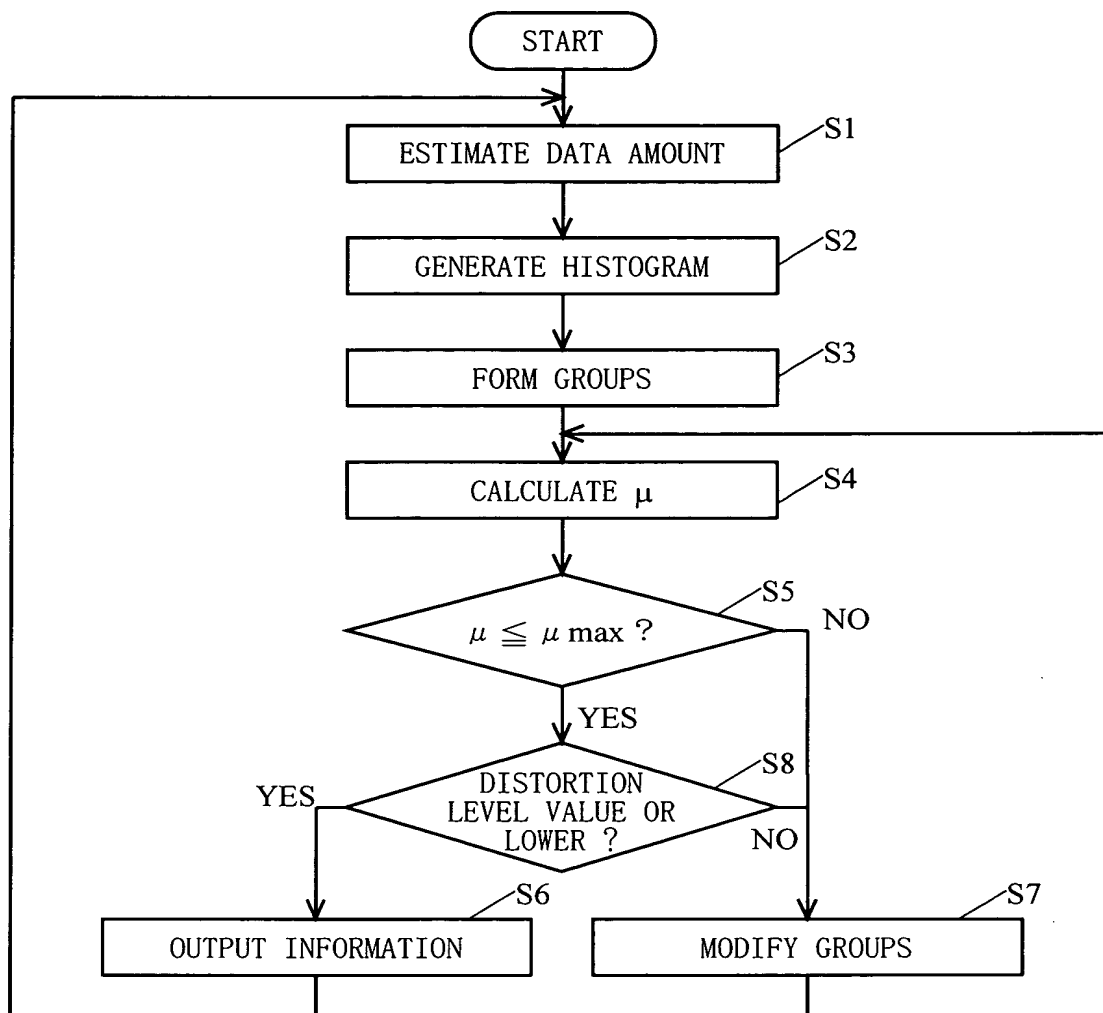


FIG. 11

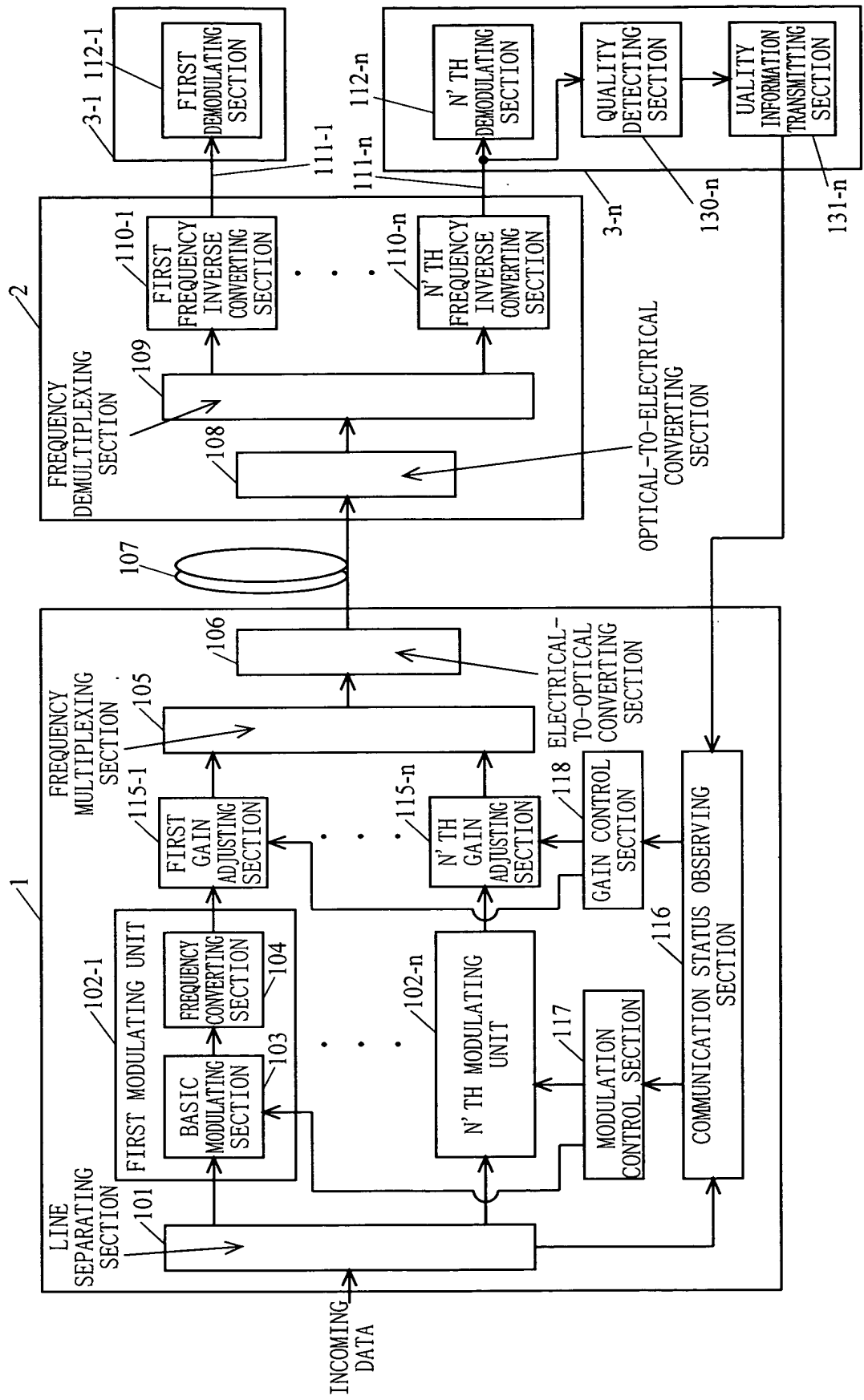


FIG. 12

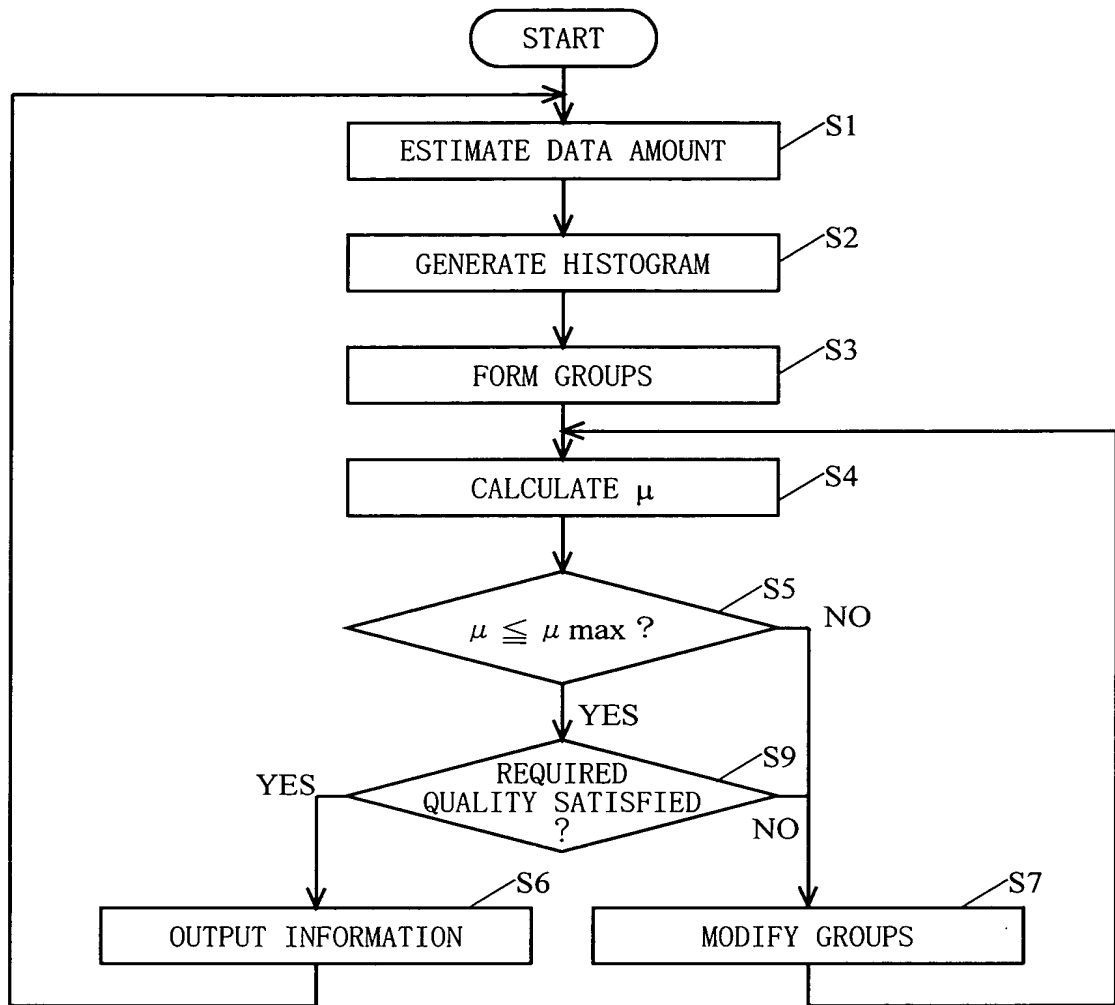


FIG. 13 PRIOR ART

